

Neonicotinoid Proposed Interim Decisions

This effort reflects collaboration between BEAD, EFED, HED and PRD, and chemical teams for all 4 neonics from each division. The interdivisional team met regularly to discuss assessment progress, methods and make sure that the assessments addressed PRD's needs.

The assessments conducted by EFED and BEAD were highly refined.

Outline

- Overview
- Risk Management Approach
- Bee Risks and Benefits
- Bee Risk Mitigation
- Other Ecological Risk Mitigation
- Human Health Mitigation
- Other Considerations
- Next Steps

Overview

Nitroguanidine-substituted neonicotinoids (includes: imidacloprid, clothianidin, thiamethoxam, and dinotefuran) are:

- A class of systemic insecticides registered for foliar (ground and air), soil, seed, and tree injection applications to a wide variety of agricultural crops
- Non-agricultural uses include turf, ornamentals, flea treatment for pets, wood preservative, poultry house, and other residential and commercial indoor/outdoor uses
- Most poundages applied as seed treatment for corn and soybean

Chemical	Est. annual usage (lbs/yr)	Major uses (lbs/year)
Clothianidin	1,500,000	Corn (seed treatment; 1,400,000)
Imidacloprid	1,120,000	Soybean (seed treatment, 430,000) Cotton, Potato, Wheat (all app. methods, 100,000 ea.)
Thiamethoxam	919,000	Corn (seed treatment; 300,000) Cotton (foliar, soil, seed; 160,000) Soybean (seed treatment; 300,000)
Dinotefuran	22,500	Cantaloupes (5,000) Rice (4,000)

Overview

USEPA Regulatory history

- Registration review began in 2008 with imidacloprid, then others in 2011
- Public concern over pollinator issues related to incidents (2008)
- Voluntary label restrictions implemented in "Bee Box" (2013)
- Hold placed on new uses to pollinator attractive crops (2015)
- Voluntary product cancellations as a result of an ESA lawsuit (March 2019)

States

- Seven states have passed legislation that address neonic issues
 - MD, VT and CT; restricted homeowner use
 - OR banned use on certain trees
 - NJ required beekeeper notification
 - CDPR requires risk management plan by 2020
- Many states have implemented state-wide pollinator protection plans (MP3s); AAPCO maintains inventory

International

- EU – banned on all outdoor use (2018)
- Canada – prohibited foliar and soil applications for certain uses (e.g., pome fruit, stone fruit, tree nuts, cucurbits) for pollinator risk (2019); proposed cancellation of all outdoor uses for aquatic risk (2018)

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Let's make sure our verbal intro to this slide hits hard on incidents and neonics in the media

Overall Risk Management Approach

Risk Management Priorities

- Human Health Risks of Concern (residential and occupational)
- Ecological Risks of Concern
 - Pollinators (bees) - from multiple uses
 - Birds and Mammals – from consuming treated seed
 - Aquatic Invertebrates – mainly from foliar application to multiple uses

Early Stakeholder Engagement

- Goals
 - To inform risk assessments and understanding of exposure to bees
 - To better understand benefits of uses preliminarily identified with risks of concern
- Stakeholders: Federal and state partners (USDA, OPMP; SFIREG, AAPCO, and NASDA; IR-4; Growers; Registrants; Other Stakeholders (American Hort, NALP, NPMA)

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Next Steps and Timeline

Anticipated Timelines for Completion

Activity	Year Date
Brief to OPP	August 21, 2019
Brief to OCSPP	September 16, 2019
Draft Documents ready for DD review & signature	October 18, 2019
Publication in FR and regulations.gov	Before the end of 2019

Planned Communications Materials for PID release:

- Desk statement
- OPP Update
- Website Update
- Q & A

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Questions?

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